

EPA SCIENCE ADVISORY BOARD
ADVISORY COMMITTEE ACTIVITY SUMMARIES
December 2001 - February 2002

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Prepared for the
March 6-7, 2002 Executive Committee Meeting
by the Committee Operations Staff
of the EPA Science Advisory Board

OVERVIEW: This document was prepared by the Committee Operations Staff (COS) to summarize recent activities of the Standing and various *ad hoc* Committees of the EPA Science Advisory Board (SAB). These summaries are designed to supplement discussions at the March 6-7, 2002 meeting of the Board's Executive Committee in Washington, DC. This document includes committee summaries that cover the period since the last face-to-face Executive Committee meeting (November 28-29, 2001), a listing of COS Staff, a list of all SAB reports (full and letter size) issued since the beginning of FY2002 (October 1 2001), along with a listing of reports that are presently in progress. Final SAB reports mentioned below can be found on the SAB website (www.epa.gov/sab).

1. ADVISORY COMMITTEE SUMMARIES

1.1 Clean Air Scientific Advisory Committee (CASAC)

The Clean Air Scientific Advisory Committee (CASAC) has a statutorily mandated responsibility (under the 1977 and 1990 Clean Air Act Amendments) to review and offer scientific and technical advice to the Administrator on the air quality criteria and regulatory documents which form the basis for the national ambient air quality standards (NAAQS). NAAQS have been established for lead, particulate matter (PM), ozone and other photochemical oxidants (O₃), carbon monoxide (CO), nitrogen oxides (NO_x) and sulfur oxides (SO_x). The CASAC process normally includes review of the Office of Research and Development's (ORD) Air Quality Criteria Document (CD) for a given NAAQS, followed by a review of the Office of Air and Radiation's (OAR) Staff Paper (SP) for that NAAQS. The Criteria Document contains all the relevant scientific and technical information on the pollutant, while the Staff Paper is the bridge between the science in the criteria document and the policy decision that has to be made by the EPA Administrator. Sometimes the Committee reviews the regulatory proposal for a NAAQS prior to its promulgation. The Committee also offers research recommendations on a periodic basis, normally following its review of a particular NAAQS. The Committee is currently involved in the review cycle for PM and Carbon Monoxide; and will begin the review cycle for Ozone shortly.

a) Recent and Planned Activities

1) Particulate Matter (PM) NAAQS - a) Criteria Document/Staff Paper - A detailed peer review of the Second External Review Draft of the Criteria Document took place on July 23-24, 2001 in Research Triangle Park, NC. The Committee also conducted Consultations on the Preliminary PM Staff Paper and the Draft PM Risk Assessment. The Committee conducted an Advisory on the revised Draft PM Risk Assessment during a February 27, 2002 teleconference meeting. A detailed peer review of the revised Criteria Document will take place on July 18-19, 2002 and a detailed peer review of the Staff Paper and revised PM Risk Assessment will take place on September 18-19, 2002. b) PM Research Strategy - The Committee last met on June 10, 1999 and issued a report. The revised version will likely be reviewed at the July 18-19, 2002 CASAC PM Review meeting; c) Fine Particles - The CASAC Subcommittee for Particle Monitoring (the "Subcommittee") is providing advice to the Office of Air and Radiation on PM monitoring activities. The Subcommittee will hold several meetings over the next few years to respond to its developing charge and to ensure that appropriate coordination is established with the NRC Committee on particles. Most recently, the Subcommittee met on January 28, 2002 to review the Agency's draft Continuous Monitoring Implementation Plan. This Subcommittee report was reviewed and approved by CASAC during a February 27, 2002 teleconference.

2) Carbon Monoxide (CO) NAAQS - In January 2000, the Committee completed its review (reaching closure) of the CO Criteria Document. A meeting on the first draft of the CO Staff Paper has been delayed to FY2003 due to the need for the Office of Air to complete work on a report to Congress on CO.

3) Ozone NAAQS - The Committee plans to review the Development Plan for the Ozone Criteria Document at a teleconference meeting that is planned for the third quarter of FY2002. The Ozone Research Strategy, and Ozone Research Needs documents will be reviewed at a later date TBD.

b) An Update on Membership

No changes since the last report. Under the CASAC authorizing statute (1977 CAAA; 42 USC 7409), the Committee is limited to seven members - three of which have specific criteria (NAS Member; Physician; & State Air Quality Representative). In October 2001, the Administrator appointed the following experts to two-year terms on CASAC -- Dr. George Taylor of George Mason University, Mr. Richard Poirot of the Vermont Department of Environmental Conservation, and Dr. Frank Speizer of Harvard Medical School. The Administrator also renewed Dr. Sverre Vedal of the National Jewish Medical and Research Center for an additional two-year term. No changes are expected for FY2003 as the other three Members are expected to be renewed for second terms.

1.2 Advisory Council on Clean Air Compliance Analysis (COUNCIL)

a) Background

The Council has its origin in the requirements of Section 812 of the Clean Air Act Amendments of 1990. That section mandated that a Council be established to provide independent advice on technical and economic aspects of analyses and reports that the Agency prepares concerning the impacts of the Clean Air Act on the public health, economy, and the environment of the United States.

Historically, the Council has provided advice to the Agency in its development of two major reports: the "retrospective study," The Benefits and Costs of the Clean Air Act: 1970 to 1990 (submitted to Congress in October 1997) and the "first prospective study," The Benefits and Costs of the Clean Air Act, 1990 to 2010 (submitted to Congress in November 1999). In FY 2001, the Council provided advice to the Agency on an "analytical blueprint" for the "second prospective study" (covering the time period 2000-2020). In each case, the Council advised the Agency on the major goals, objectives, methodologies, and analytical choices for the study before it is implemented. The Council has two standing subcommittees, the Health and Ecological Effects Subcommittee (HEES) and the Air Quality Modeling Subcommittee (AQMS).

b) Activities since the last EC Meeting

The Council has not met since the last Executive Committee meeting. The Chair did receive a letter from the Administrator, dated December 19, 2001, responding to its September 24, 2001 letter and Advisory (EPA-SAB-COUNCIL-ADV-01-004; *Review of the Draft Analytical Plan for EPA's Second Prospective Analysis - Benefits and Costs of the Clean Air Act 1990-2020*). The letter states that "The Project Team anticipates...the commencement of initial analytical work consistent with the Council's advice."

c) Future Activities

Based on the Administrator's response, the Council and its subcommittees anticipate reviewing drafts of the "second prospective study" in FY 2002. In addition, the Agency may request Council and

SAB assistance with a new review of literature related to valuation of ecosystem services. The Chair of the Council envisions that it would be appropriate for this activity to happen as part of the set of activities proposed for a Panel on "Valuing the Protection of Ecological Systems and Services" (see Agenda for March 6-7, 2002 Meeting of the Executive Committee). This review may involve convening a special panel of ecologists and economists, with participants drawn from both the membership of the Council and the HEES, as well as others with relevant expertise. The Council advised that such a panel be formed to pursue the prospects for generating acceptable place-holder values for ecosystem services benefits from the Clean Air Act that can be recommended to the Agency for use in the next 812 analysis.

d) An Update on Membership

For FY 2003 any membership issues must be addressed. The terms of ten members of the eleven-member Council will end. Three are "first-termers," three are "second-termers," three are "third-termers," (this category is especially important because it includes the Chairs of the HEES and the AQMS); and one is the Chair of the Council. SAB staff has consulted with the Council Chair, the chief Agency contact for the Council, and the Agency's Chief economist on the membership issue. A call for new members for the Council, as well as the HEES and the AQMS also appeared in the FEDERAL REGISTER in the summer of 2001. The Chair placed an announcement in the RESECON List Serve about expected openings and several individuals responded. The DFO has consulted with a past editor of the major economics journal that specializes in environmental economics and received several recommendations for candidates to be considered.

SAB staff plans to analyze the candidates suggested and confer with the Chair to develop a proposed slate for recommending to the Administrator by the end of March. In addition, SAB staff will work with the Chair of the Council and the Chairs of its two subcommittees to identify new members for those subcommittees (who may be SAB Members and Consultants, or individuals new to the Board, who would serve in the capacity of SAB Consultants).

1.3 Drinking Water Committee (DWC)

The EPA Science Advisory Board is mandated by the 1996 Safe Drinking Water Act (SDWA) Amendments to comment on drinking water regulations prior to promulgation. The Drinking Water Committee (DWC) carries out this mandate for the Board by reviewing various scientific and technical documents associated with the Office of Water's SDWA regulatory activities. The DWC also reviews various drinking water research plans and products for EPA's Office of Research and Development and observes EPA Stage 2 drinking water regulation stakeholder meetings to both learn more of this EPA approach to achieving its mission and to help the program office identify scientific and technical issues that might benefit from SAB interaction.

a) Recent Activities

1) The DWC Panel for the review of the proposed Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWT) and the Stage 2 Disinfection Byproducts Rule (S2DBP) met in Los Angeles, California from December 10-12, 2001. These reviews were conducted pursuant to Section 1412(e) of the Safe Drinking Water Act which require EPA to request comments from the SAB on its National Primary Drinking Water Regulations prior to proposal.

The Committee organized the two reviews according to the structure of the charge that was given to the panel. That charge asks the SAB to review and comment upon: 1) LT2ESWTR – the Agency's method for estimating the national level of *Cryptosporidium* in drinking water; the Agency's pre- and

post-regulatory risk estimates for cryptosporidiosis; and the Agency's assessment of the effectiveness of a suite of microbial treatment technologies in removing/inactivating *Cryptosporidium*; and 2) S2DBPR – to comment upon the appropriateness of the Agency's Initial Distribution System Evaluation approach to identifying peak levels of disinfection byproducts in the drinking water distribution system; and whether the proposed regulatory monitoring approach (a Locational Running Annual Average) was more protective of public health than that of the existing monitoring approach (Running Annual Average).

The Panel developed draft comments on each of the charges and presented their conclusions in public session at the end of day 3 of the meeting. These preliminary conclusions have been placed on the SAB Website for information purposes. The final report is now being prepared and should be sent to the EC soon.

b) Future Activities

The Office of Water has asked the SAB/DWC to consider two processes relevant to future regulatory decision making under the Safe Drinking Water Act. One is the process EPA will use to evaluate drinking water contaminants for the need for future regulation (**Contaminant Candidate List Regulatory Determination Process**). That process involves evaluating the projected adverse health effects for the contaminant, the extent of contaminant occurrence in drinking water, and whether regulation would present a meaningful opportunity for health risk reduction. The SAB will likely be asked to comment on whether the protocol used by EPA in making technical evaluations to support the determinations is reasonable and applied consistently and if the data used for the assessments was adequate for making the needed statutory determinations. The second process is that which EPA will use to determine the need to revise existing drinking water regulations (**Six-Year Review Process**). The SAB will be asked to consider whether the protocol used to support these determinations is reasonable, appropriate, and consistently applied. The panel development process for these reviews will be initiated early in March 2002.

c) Status of Reports in Progress

The report on the Contaminant Candidate List Research Plan has been completed by the DWC and is to be reviewed at the March 6-7, 2002 SAB Executive Committee Meeting. The report from the DWC review of the LT2ESWT rule and the S2DBP are under development and will be sent to the EC soon.

1.4 Ecological Processes and Effects Committee (EPEC)

a) Activities since the last Executive Committee meeting

On February 8, 2002, the Ecological Reporting Panel of the Ecological Processes and Effects Committee held a public teleconference call to finalize its draft report, *A Framework for Assessing and Reporting on Ecological Condition*. The report recommends six essential ecological attributes that should be considered when reporting on ecological condition: Landscape Condition; Biotic Condition; Chemical and Physical Characteristics of Water, Air, Soil, and Sediments; Ecological Processes; Hydrology and Geomorphology; and Natural Disturbances. The report is a result of an SAB strategic initiative to respond to an observed need at the Agency for a comprehensive and consistent approach to assessing the state of ecological systems. Although the Panel hopes that the report will inform the Agency's current effort to develop a State of the Environment report, the proposed framework also is intended to assist the Agency in longer term efforts to communicate ecological information to the public, define priority ecological data collection and research priorities, and develop ecological management objectives for a broad array of Agency programs. The draft report will be submitted to the SAB Executive Committee in March and will be available on the SAB website at that time.

The Committee's draft report on the Southeastern Ecological Framework, is still under development and will be forwarded to the Executive Committee for a future meeting. The **Southeastern Ecological Framework**, reviewed by the Committee in July, is a GIS-based decision model that uses a series of data layers to identify optimal ecological areas in the Southeast and connecting "greenways" or habitat corridors. The Committee evaluated the mix of data layers and the model for integrating them, and considered possible applications of the approach in other areas of the country.

b) Future Activities:

The Committee's plans to review the Agency's proposed National Assessment of Landscape Status and Change are on hold because of a lack of SAB resources. (The national assessment would look at the status and change in landscapes across the U.S. between the early 1970's and the early 2000's, and would be conducted in conjunction with the Environmental Monitoring and Assessment Program (EMAP) and the Regional Vulnerability Assessment (REVA) programs.)

c) An Update on Membership:

Seven members of the Committee have terms ending September 30, 2002. Of these, three will have served the maximum term and will not be reappointed. The Chair, Dr. Young, will have completed her second term as chair and will not be eligible for reappointment. Expertise areas that will be needed include ecological modeling, ecological risk assessment, and environmental chemistry. The Committee currently has 12 members; however, due to decreased Committee workload and resources, two of the membership slots may not be filled for the coming year.

1.5 Environmental Economics Advisory Committee (EEAC)

The EPA Science Advisory Board's Environmental Economics Advisory Committee is responsible for reviewing and providing advice on a number of economic analysis initiatives at the EPA. Included are efforts to help the Agency develop high quality economic research plans and efforts to help the Agency develop improved environmental economic analysis procedures and guidelines.

a) Activities Since the Last EC Meeting

The Environmental Economics Advisory Committee (EEAC) met on November 30, 2001. At this meeting, the EEAC was briefed on EPA's continuing plans to improve their estimation techniques for the value of mortality risk reduction; engaged with the Agency in a Consultation on the Agency's desire to develop ways to use Market Incentives in environmental policy making, engaged in a Consultation on the approach EPA intends to take in developing an economic research strategy, and was briefed on the status of the Pollution Abatement and Control Expenditures (PACE) survey. As a result of this latter briefing, the EEAC decided to prepare a Commentary to the Administrator to encourage continued support of the survey and to not interrupt or change the annual cycle which is now used for gathering such data. That Commentary has been delivered to the Administrator.

b) Future Activities

The EEAC will be asked to examine the derivation, background, and application of the criterion that EPA uses to make treatment technology affordability decisions for small drinking water systems. It is likely that at the next EEAC meeting, the Committee will also be briefed on EPA's plan to develop a trading policy for use by the Office of Water.

c) Status of Reports in Progress

All of the Committee's reports have been forwarded to the Administrator.

1.6 Environmental Engineering Committee (EEC)

a) Activities since the last EC Meeting

- 1) The EEC is currently interviewing notables in the field to gather a wider view of emerging issues in environmental engineering and environmental risk reduction. Each member is assigned to contact several notables and ask the following three questions:
 - a. What do you consider the three most important issues facing protection of the environment and public health of the United States over the next 5 years?
 - b. What engineering aspects of these problems do you think that the EEC could best impact these issues within the context its mission?
 - c. Aside from these three most important issues, are there other emerging or significant problems that the EEC should consider for evaluation over the next five years?

The results will be consolidated and discussed at a future conference call meeting. The EEC will use this input will to make decisions about activities in FY03 and beyond.

- 2) The EEC approved the draft Commentary on Industrial Ecology by mail in December 2001. The Commentary is being considered by the EC March 6.
- 3) The Environmental Engineering Committee held public conference call meetings on January 30 and 31, 2002. At those meetings:
 - (a) Subcommittee chairs briefed the Committee on their plans and activities.
 - (b) David Catlin of the Office of Environmental Information briefed the Committee on the Agency's Enviromapper and Windows to My Environment activities which provide public access to environmental data using geospatial tools and existing information systems.
 - (c) The Committee amended its plans for FY2002 to delay the review of the Risk Management Evaluation Protocol.
 - (d) The Committee instructed the DFO to circulate to the EEC the Office of Management and Budget's recently published Guidelines for Ensuring and Maximizing the Quality, Objectivity, Utility, and Integrity of Information Disseminated by Federal Agencies.
 - (e) The Committee reviewed the December draft report of the EEC's Risk Reduction Options Selection Subcommittee and charged Drs. Kachel and McFarland to revise the report emphasizing the cover letter, executive summary, and concluding section to address the comments received.
- 3) The Surface Impoundments Study Subcommittee met by public conference call meeting February 1, 2001 to consider its draft report for approval. The Subcommittee decided some additional changes were warranted before forwarding the report to the EEC and circulated a revised draft for Subcommittee approval by mail. The revised draft was forwarded to the EEC February 22 for consideration at its March 13 conference call.
- 4) The Committee discussed the Agency's written response to the EEC commentary on *Measures of Environmental Technology Performance* and asked the chair and DFO to thank the staff within the Agency for having prepared such a fine response.

- 5) The Committee agreed to meet by conference call March 13 to discuss the responses and consider approval of the SIS Subcommittee report and the RROS commentary, if available.

b) Future Activities:

- 1) The Environmental Engineering Committee plans more conference call meetings May 1, July 3, September 4, and November 6. The purposes of these calls will be to:
 - (a) consider reports for approval as they become available
 - (b) be briefed on Agency activities of interest
 - (c) plan the FY2003 EEC agenda
- 2) SAB resources do not permit the Environmental Engineering Committee to meet face-to-face this fiscal year. The Committee's review of the Risk Management Evaluation (RME) Protocol will be deferred to a time in FY03 convenient to Agency and EEC.

c) An Update on Membership:

The EEC is one of the most versatile and innovative Committees on the SAB. The members are eclectic, pragmatic, and able to address a range of topics. EEC led the efforts of the SAB on issues relating to computer models, data quality, and strategic planning. The Committee has a long history of undertaking initiatives and introduced "the Commentary" as an SAB mechanism for providing un-asked for advice. The EEC has a strong cross-disciplinary bent, often participating in reviews led by other Committees or inviting participation by other Committees in EEC-led reviews.

The EEC consists of ten members of whom 2-3 are usually generalists or people of related non-engineering backgrounds (such as physicists or chemists) and the remainder have backgrounds in various engineering disciplines and environmental media.

The EEC expects there to be two openings for members in FY03 as Drs. Hilary Inyang and John Maney rotate off the Committee. The chair and DFO have identified three strong candidates for each opening and presented these names to the Director. All six candidates have proved themselves able, responsive, and hard-working on prior EEC reviews.

1.7 Environmental Health Committee (EHC)

The Committee has not met since the last EC meeting in November. The EHC produced a joint report with the IHEC that was released in December: *Review of the Office of Radiation and Indoor Air's draft Methodology for Ranking Indoor Air Toxics*.

The EHC will meet at a meeting under development to review the Agency's risk assessment of trichloroethylene. The EHC will be augmented with additional Consultants to provide greater depth of expertise on genetics, risk assessment, and epidemiology. A recent Federal Register notice solicited nominations of persons with the requisite expertise from the public. SAB Staff are presently evaluating the input.

An Update on Membership for FY2002

No changes since the last report. Drs. Michael Debaun and Dale Hattis have been appointed to the EHC as new Members. Dr. Henry Anderson has moved from the IHEC and assumed the Chair of the EHC.

1.8 Integrated Human Exposure Committee (IHEC)

The Committee has not met since the last EC meeting in November. No review events are currently scheduled for the IHEC in the next few months. The IHEC produced a joint report with the EHC that was released in December: *Review of the Office of Radiation and Indoor Air's draft Methodology for Ranking Indoor Air Toxics*.

An Update on Membership for FY2002

No changes since the last report. Drs. Timothy Buckley, Catherine Koshland, and George Lucier have been appointed to the IHEC as new Members. Dr. Kenneth Sexton has been appointed as Chair.

1.9 Radiation Advisory Committee (RAC)

The RAC has not met since the last EC meeting in November.

The meeting dates for the Multi-Agency Radiological Laboratory Analytical Protocols (MARLAP) review has been set for April 23-25, 2002. There are seven federal agencies (US EPA, DOE, NRC, DoD, NIST, USGS, FDA) and two states (California and Kentucky) involved with this review. A conference call will take place on April 8, 2002 to discuss the charge and the review materials.

An Update on Membership:

Dr. Helen Grogan has been appointed to Membership. For next fiscal year, there will be up to three membership slots available for consideration.

1.10 Research Strategies Advisory Committee (RSAC)

The Research Strategies Advisory Committee (RSAC) is a Standing Committee of the Science Advisory Board (SAB) of the United States Environmental Protection Agency (USEPA). RSAC was convened to provide broad advice to the Administrator on research planning, management, and budget development for use by the Agency in its long-term budget planning process. RSAC provides a point of focus for the Board to consider the overall directions of intramural and extramural research programs of EPA, and it provides a forum to discuss issues that cut across Agency programs. RSAC also advises the Executive Committee and Standing SAB Committees on questions to consider in research reviews.

RSAC consists of one or more members drawn from the Standing Committees of the Board, as appropriate, augmented by consultants as needed to assure proper expertise and balance. RSAC is requested to provide annual testimony directly to Congress on matters related to their reviews of the ORD budget and other matters.

a) Activities since the last Executive Committee meeting

The Research Strategies Advisory Committee (RSAC) met once since the last EC meeting on February 20th and 21st reviewed the President's FY 2003 Science and Technology budget for EPA. This budget review used new charge questions requested by the Deputy Administrator to allow for more thorough review of the budget for science conducted at EPA. She also included three general charge questions that she would like RSAC to focus on for the next few years about:

- i) how EPA captures and uses scientific knowledge generated by other organizations (federal agencies, state agencies, industry, universities, private organizations) in its multi-year planning efforts for the EPA research and development program

- ii) the extent to which there is adequate peer review of the science available for policy and regulatory decisions at EPA, particularly peer review of the planning for the R&D program and of the products from the R&D program
- iii) the committee's assessment of the quality of the science being done at EPA, particularly that supported by the S&T budget

b) Future Activities

There are no additional meetings scheduled for RSAC for the rest of the year although Committee members will participate in an Executive Committee Subcommittee review of the Contaminated Sediments Science plan scheduled for July.

c) An Update on Membership:

Six of the members have terms that will expire September 30, 2002. Of these, three will be completing their second term. Given the SAB policy to replace 50% of those completing their second term, it is likely that one or two of these members will be replaced. It is not anticipated that there will be any other changes in RSAC as the three other members whose terms are expiring will be completing their first 2-year term on the committee. None of the members will have completed the maximum of three terms.

1.11 *ad hoc* Subcommittees of the Executive Committee (EC)

1.11.1 Scientific and Technological Achievement Awards (STAA) Subcommittee

The Subcommittee will meet in Washington, DC on July 10-12, 2002 to review 140 nominations for awards submitted by EPA. The panel is chaired by Dr. Herb Ward of Rice University. This is the first time that the meeting will be partially open to the public to accommodate public discussions with Agency leadership on the STAA process and how best to advertise the program.

2. ADVISORY COMMITTEE OPERATIONS

2.1 Committee Operations Staff (with Principal Committee assignments noted)*

Team Leader: Robert Flaak (CASAC)

Designated Federal Officers: Stephanie Sanzone (EPEC), Kathleen Conway (EEC), Angela Nugent (COUNCIL), Tom Miller (DWC & EEAC), and Jack Kooyoomjian (RAC).

Vacant Positions pending personnel action (IHEC, RSAC & EHC).

Management Assistants: Diana Pozun (EC), Mary Winston (EPEC & EEC), and Rhonda Fortson* (CASAC & COUNCIL). Vacant Position pending personnel action (DWC, RSAC & EEAC), Vacant Positions pending personnel action (EHC, IHEC & RAC),

Other Staff with Committee Operations Roles: Don Barnes (DFO - EC); and Betty Fortune (Support for EC).

Ms. Fortson will be leaving the SAB Staff as of March 8th.

2.2 Reports Issued this Fiscal Year (in chronological order) (R) = Full Reports; (L) = Letter Reports; (A) = Advisories; (C) = Commentaries; (N) = Notification of a Consultation; (W) = Workshop.

October:

- a) Agency's Proposed Methodology for Measuring Coarse Particulate Matter (CASAC) (N)

November:

- a) Review of the Science to Achieve results (STAR) Waters and Watersheds Extramural Grants Program (EPEC) (R)

December:

- a) NATA - Evaluating the National-Scale Air Toxics Assessment 1996 Data (EC Subc) (A)
- b) Review of the US EPA ORD Water Quality and Pollution Prevention Multiyear Plans (RSAC) (R)
- c) Review of the Office of Radiation and Indoor Air's draft Methodology for Ranking Indoor Air Toxics (EHC/IHEC) (R)
- d) Market Incentives (EEAC) (N)
- e) An Approach to Developing a Research Agenda for Environmental Economics (EEAC) (N)

January:

- a) EPA/SAB Workshop on the Benefits of Reduction in Exposure to Hazardous Air Pollutants: Developing Best Estimates of Dose-Response Functions (EPA/SAB) (W)
- b) Importance of Maintaining the Annual Pollution Abatement Cost and Expenditure (PACE) Survey (EEAC) (C)

February:

- a) Planning for Ecological Risk Assessment: Developing Management Objectives (EPEC)(R)

March:

- a) Review of the Agency's draft Continuous Monitoring Implementation Plan (CASAC) (L)

2.3 Reports in Progress (R) = Full Reports; (L) = Letter Reports; (A) = Advisories; (C) = Commentaries, (N) = Notification of a Consultation

For EC Review on March 6-7, 2002

- a) Presidents FY2003 Science and Technology Budget (RSAC) (R)
- b) Review of the Candidate Contaminant List research Plan (DWC) (R)
- c) Commentary on Industrial Ecology (EEC) (C)

For EC Review at a later date:

- a) A Framework for Reporting on Ecological Condition (EPEC) (R)
- b) Southeastern Ecological Framework (EPEC) (R)
- c) Risk Reduction Options - IRP (EEC) (R)
- d) Surface Impoundments (EEC) (R)
- e) PM Centers Interim Review (EC Subc) (R)
- f) Long Term Enhanced Surface Water treatment Rule Proposal & Stage II
Disinfection/Disinfectant By-Product Rule Proposal (DWC) (R)

Not Subject to EC Review (CASAC/COUNCIL):

- a) Review of the Agency's proposed Methodology for Particulate Matter Risk Analysis for
Selected Areas (CASAC) (L)

Approved by EC and undergoing completion: None

2.4 Staff Contact Information

For further information concerning any committee, please contact the relevant staff as noted below. For positions marked as vacant, please contact Don Barnes or Robert Flaak. Phone numbers are as follows (area code 202 for all numbers, unless otherwise noted):

Don Barnes	564-4533	Betty Fortune	564-4533
Jack Fowle	564-4547	Dorothy Clark	564-4533
Robert Flaak	564-4546	Wanda Fields	564-4533
Jack Kooyoomjian	564-4557	Diana Pozun	564-4533
Tom Miller	564-4558	Mary Winston	564-4533
Angela Nugent	564-4562	Rhonda Fortson*	564-4563
Sam Rondberg	(301) 812-2560		
Stephanie Sanzone	564-4561		
Kathleen White	564-4559		

*Ms. Fortson will be leaving the SAB Staff as of March 8th. Other Staff whose names are lined-out have already departed.

Fax for all Committee Operations Staff is: (202) 501-0582

E-mail for all EPA staff is: LASTNAME.FIRSTNAME@EPA.GOV

2.5 Current Staffing Alignments:

Executive Committee	Don Barnes	Diana Pozun/Betty Fortune
CASAC	Robert Flaak	Vacant (as of March 8th)
COUNCIL	Angela Nugent	Vacant (as of March 8th)
DWC	Tom Miller	Vacant
EEAC	Tom Miller	Vacant
EEC	Kathleen Conway	Mary Winston
EHC	Vacant	Vacant
EPEC	Stephanie Sanzone	Mary Winston
IHEC	Vacant	Vacant
RAC	Jack Kooyoomjian	Vacant
RSAC	Vacant	Vacant
ad hoc EC Subcommittees	-- Varies with issue and scheduling --	